



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 146003

TO: Emily M Le
Location: 3c35/3c18
Art Unit: 1648
Friday, February 25, 2005

Case Serial Number: 10/009473

From: Noble Jarrell
Location: Biotech-Chem Library
Rem 1B71
Phone: 272-2556

Noble.jarrell@uspto.gov

Search Notes

146005

crff

Jarrell, Noble

From: Le, Emily
Sent: Wednesday, February 23, 2005 5:17 PM
To: Jarrell, Noble
Subject: Sequence search: 10/009473

Noble,

please provide a sequence search of SEQ ID NO: 2. thank you.

Emily
Office, Rem 3C35
Mailbox, Rem 3C18
Tel., 2-0903

Noble
Jan 21/23/05
Spence
Jal

100A
Computer

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	3	cytokine ((interleukin IFN "tumor necrosis factor) TNF) same MPL) monophosphoryl same cytokine	US-PGPUB; USPAT EPO; JPO; DERWENT; IBM_TDB	OR OR	ON ON	2005/02/25 18:58 2005/02/25 17:56
L3	157	monophosphoryl same cytokine	USPAT; USOCR	OR	ON	2005/02/25 17:56
L4	157	"monophosphoryl lipid" same cytokine	USPAT; USOCR	OR	ON	2005/02/25 18:15
L5	1	("6350456").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/25 18:57
L6	478	cytokine and ((interleukin IFN "tumor necrosis factor" TNF) same MPL)	US-PGPUB; USPAT	OR	ON	2005/02/25 18:58
L7	188	cytokine and ((interleukin IFN "tumor necrosis factor" TNF) same MPL)	USPAT	OR	ON	2005/02/25 18:58
L8	15	cytokine and ((interleukin IFN "tumor necrosis factor" TNF) same "3D-MPL")	USPAT	OR	ON	2005/02/25 19:02
L9	0	wo-9857659-\$.did.	USPAT	OR	ON	2005/02/25 19:02
L10	2	wo-9857659-\$.did.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/25 19:26
L11	0	"Oil-in-Water is"	USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/25 19:26
L12	0	"Oil-in-Water is"	USPAT	OR	ON	2005/02/25 19:26
L13	0	"Oil-in-Water is"	US-PGPUB; USPAT	OR	ON	2005/02/25 19:26
L14	23456	"Oil-in-Water"	US-PGPUB; USPAT	OR	ON	2005/02/25 19:26
L15	16280	"Oil-in-Water"	USPAT	OR	ON	2005/02/25 19:26
L16	7176	"Oil-in-Water"	US-PGPUB	OR	ON	2005/02/25 20:22
L17	0	gb-9712347\$.an.	EPO	OR	ON	2005/02/25 20:45
L18	6	Hagen-Michael\$.inv.	EPO	OR	ON	2005/02/25 20:45
L19	13	Hagen-Michael\$.inv.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 20:45
L20	1	19 and monophosphoryl	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 20:45

L21	1	19 and MPL	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 20:46
L22	0	21 not 20	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 20:46
S1	0	\$3MPL same "gs-csf"	US-PGPUB; USPAT	OR	ON	2005/02/23 18:19
S2	898	\$3MPL and "granulocyte macrophage"	US-PGPUB; USPAT	OR	ON	2005/02/23 18:19
S3	1415	\$3MPL and "granulocyte"	US-PGPUB; USPAT	OR	ON	2005/02/23 18:19
S4	43	\$3MPL same "granulocyte macrophage"	US-PGPUB; USPAT	OR	ON	2005/02/23 18:25
S5	84	\$3MPL same "granulocyte"	US-PGPUB; USPAT	OR	ON	2005/02/23 18:19
S6	25	"monophosphoryl Lipid" same "granulocyte macrophage"	US-PGPUB; USPAT	OR	ON	2005/02/23 18:30
S7	16	S6 not S4	US-PGPUB; USPAT	OR	ON	2005/02/23 18:26
S8	0	"monophosphoryl Lipid" same "gs-csf"	US-PGPUB; USPAT	OR	ON	2005/02/23 18:30
S9	0	"monophosphoryl Lipid" same "gs-csf"	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 18:30
S10	1	"monophosphoryl Lipid" same "granulocyte macrophage"	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 18:30
S11	1	"monophosphoryl Lipid" and "granulocyte macrophage"	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 18:32
S12	0	"3D-MPL" and "granulocyte macrophage"	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 18:31
S13	0	"3D-MPL" and "granulocyte"	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 18:31
S14	2	MPL and "granulocyte"	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 18:31
S15	1	("6066318").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/23 18:32

S16	1	"monophosphoryl Lipid" and "granulocyte"	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 18:32
S17	1	"monophosphoryl Lipid" and granulocyte	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 18:34
S18	1	("6,613,337").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/23 18:34
S19	32	"monophosphoryl lipid" same ("granulocyte") "stimulating factor"	US-PGPUB; USPAT	AND	ON	2005/02/25 14:03
S20	12	"monophosphoryl lipid" same ("granulocyte") "stimulating factor"	USPAT	AND	ON	2005/02/25 14:51
S21	1	"monophosphoryl lipid" same ("granulocyte") "stimulating factor"	USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/02/25 14:04
S22	1	("5013548").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/25 14:51
S23	1	("5019387").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/25 14:51
S24	1	("6066318").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/25 14:53
S25	305	"3d-mpi"	US-PGPUB; USPAT	OR	ON	2005/02/25 14:53
S26	1	S25 same granulocyte	US-PGPUB; USPAT	OR	ON	2005/02/25 14:54
S27	17	S25 and granulocyte	US-PGPUB; USPAT	OR	ON	2005/02/25 14:54
S28	0	S27 not S25	US-PGPUB; USPAT	OR	ON	2005/02/25 14:55
S29	288	S25 not S27	US-PGPUB; USPAT	OR	ON	2005/02/25 14:55
S30	0	S26 not S27	US-PGPUB; USPAT	OR	ON	2005/02/25 14:55
S31	0	S27 not S25	US-PGPUB; USPAT	OR	ON	2005/02/25 14:55
S32	16	S27 not S26	US-PGPUB; USPAT	OR	ON	2005/02/25 14:58
S33	0	S27 not S26	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:58

S34	0	"3d-mpl" and granulocyte	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:01
S35	33	"3d-mpl"	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:00
S36	2	("0575110").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/25 15:00
S37	1	("5750110").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/25 15:00
S38	0	"3d-mpl" and GM-CSF	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:01
S39	156	"3d-mpl" and GM-CSF	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:01
S40	32	"3d-mpl" same GM-CSF	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:18
S41	0	"3d-mpl" same GMCSF	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:18
S42	0	"3D-MPLI" same GMCSF	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:18
S43	0	"3D-MPLI" same GM-CSF	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:18
S44	46	"3d-MPL" same ("GM-CSF" granulocyte cytokine)	US-PGPUB; USPAT	OR	ON	2005/02/25 16:06

S45	0	"3d-MPL" same ("GM-CSF" granulocyte cytokine)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:27
S46	11	"MPL" same ("GM-CSF" granulocyte cytokine)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:29
S47	0	ep-0689454-\$.did.	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:29
S48	0	ep-00689454-\$.did.	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:29
S49	0	ep-06089454-\$.did.	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:29
S50	0	ep-0671948-\$.did.	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:30
S51	2	wo-9856414-\$.did.	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:32
S52	1	wo-9517210-\$.did.	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 17:54
S53	2	("5013548" "5019387").pn.	US-PGPUB; USPAT	OR	ON	2005/02/25 15:59
S54	0	wo-9714436-\$.did.	US-PGPUB; USPAT	OR	ON	2005/02/25 15:59
S55	0	wo-97014436-\$.did.	US-PGPUB; USPAT	OR	ON	2005/02/25 15:59
S56	0	wo-97014436-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/25 15:59
S57	2	wo-9714436-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/25 16:00
S58	2	"5993819".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/25 16:00

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OM protein - protein search, using sw model

Run on: February 24, 2005, 07:21:27 ; Search time 70 Seconds
(without alignments)
215,481 Million cell updates/sec

Title: US-10-009-473-2

Sequence: 1 KQIIMQGVGKAMATRPYNNKRIHIGKRAFTTK 39

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Result No. 1 of rag ~~search~~
Sequence Search Result, page 1 of 2.

26	187	87.8	39	2	AAW32964	AAW32964	C3-V3 JRF
27	184	86.4	39	2	AAW32960	AAW32960	C3-V3 JH3
28	184	86.4	39	2	AAW32962	AAW32962	C3-V3 BAL
29	182	85.4	39	2	AAW32963	AAW32963	C3-V3 JRC
30	180	84.5	39	2	AAW32973	AAW32973	C3-V3 ADA
31	179	84.0	39	2	AAW32972	AAW32972	C3-V3 HAN
32	178	83.6	39	2	AAW32965	AAW32965	C3-V3 OYI
33	176	82.6	39	2	AAW32966	AAW32966	C3-V3 SP2
34	176	82.6	39	4	AAU12549	AAU12549	HIV polYv
35	176	82.6	39	5	AAU70260	AAU70260	HIV polYv
36	175	82.2	39	2	AAW32961	AAW32961	C3-V3 ALA
37	174.5	81.9	35	2	AAW16527	AAW16527	Peptide (
38	174.5	81.9	35	7	ABO01835	ABO01835	HIV-MN en
39	174.5	81.9	47	2	AAW40202	AAW40202	Sequence
40	174.5	81.9	47	2	AAW16529	AAW16529	Peptide (
41	174.5	81.9	47	7	ABO01837	ABO01837	HIV MN en
42	173	81.2	39	2	AAW32958	AAW32958	C3-V3 BRV
43	170	79.8	39	2	AAW32959	AAW32959	C3-V3 SC
44	170	79.8	39	6	ABP57725	ABP57725	HIV Immun
45	170	79.8	39	8	ADR58051	ADR58051	Novel ant

ALIGNMENTS

RESULT 1
AAW32957 standard; peptide; 39 AA.

AAW32957;

23-JAN-1998 (first entry)

C3-V3 MN immunogen construct.

Immunogen: antigenic determinant; HIV; envelope; glycoprotein; env; gp;
recognition; B lymphocyte; type specific; antibody; vaccine; protection;
immune response; infection; neutralisation.

Human immunodeficiency virus

W6573436-A1. = U.S Patent No. 5,993,819.

24-APR-1997.

18-OCT-1996; 96WO-US016911.

20-OCT-1995; 95US-00546515.

09-FEB-1996; 96US-00599266.

(UYDU-) UNIV DUKE.

Haynes BF, Palker TJ;

WPI; 1997-244862/22.

Synthetic human immunodeficiency virus vaccine - comprising hydrophilic
peptide corresponding to at least 1 antigenic determinant of envelope
glyco:protein recognised by B lymphocytes.

Example 11; Page 60j; 104pp; English.

The present sequence, which comprises at least 1 antigenic determinant of
human immunodeficiency virus (HIV) envelope (env) glycoprotein (gp)
recognised by B lymphocytes, when covalently linked to a carrier
molecule, induces the production of high titres of protective, type
specific anti-HIV antibodies (ab) in a mammal. The peptide can be used in
vaccines for producing a protective immune response to HIV infection,
while a HIV neutralising Ab can be induced in a primate by administering
a composition comprising HIV env peptides that disrupt gp120/gp41
interactions

SO Sequence 39 AA;

Query Match 100.0%; Score 213; DB 2; Length 39;
 Best Local Similarity 100.0%; Pred. No. 4.2e-19;
 Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KOIINMOEVSQKAMATRPNTNKKRRIHIGGRAPYTTK 39
 |||||
 DB 1 KOIINMOEVSQKAMATRPNTNKKRRIHIGGRAPYTTK 39

RESULT 2

Result No. 1 of rag
 Sequence Search Summary, page 2 of 2.